



GEOTECHNICAL OFFICE

BRIDGE CONSTRUCTION - PILE DRIVING RECORD

DISTRICT NO. 11 CONTRACT NO. 77-130 STRUCTURE W.P. NO. 74-74-03  
 CONTRACTOR O.J. GAFFNEY CONST CO DESIGN LOAD OF PILE END BEARING BED R.C.  
 HAMMER DETAILS: TYPE BERNARD HAMMER WEIGHT 29,000 HEIGHT OF FALL OR ENERGY  
 TYPE OF ANVIL OR CAP 180 WEIGHT OF ANVIL OR CAP 1100 LBS  
 PILE DETAILS HP 12x53 BATTER: 1.8  
 PILE NO. 4-10 LOCATION IN CAISSON #4 PIER #1 DATE DRIVEN 7 JUNE 19

TOTAL LENGTH BEING DRIVEN	LENGTH IN GROUND	PENETRATION BLOWS / FT.	TOTAL LENGTH BEING DRIVEN	LENGTH IN GROUND	PENETRATION BLOWS / FT.	TOTAL LENGTH BEING DRIVEN	LENGTH IN GROUND	PENETRATION BLOWS / FT.	TOTAL LENGTH BEING DRIVEN	LENGTH IN GROUND	PENETRATION BLOWS / FT.
	1		50	26	12		51			76	
	2		"	27	12		52			77	
	3		"	28	12		53			78	
	4		"	29	36		54			79	
	5		"	30	36		55			80	
	6		"	31	36		56			81	
	7		"	32	36		57			82	
	8		"	33	36		58			83	
	9		"	34	36		59			84	
	10		"	35	96		60			85	
	11		"	36	96		61			86	
	12		"	37	144		62			87	
	13		"	38	180		63			88	
	14		"	39	180		64			89	
	15		"	40	180		65			90	
	16		"	41	0		66			91	
	17			42			67			92	
	18			43			68			93	
	19			44		NOTE: THIS CAISSON WAS PUMPED & CLEANED OUT TO A DEPTH OF 24 FEET. THEN THE 4 PILES WERE DRIVEN INSIDE THEM.					
	20			45							
	21			46							
	22			47							
50	23	12		48							
"	24	12		49			74			99	
"	25	12		50			75			100	

DETAILS FOR FINAL SIX INCHES OF PENETRATION	1	2	3	4	5	6
BLOWS PER INCH	15	15	15	15	18	0
MEASURED REBOUND IN INCHES						
FINAL LENGTH OF PILE	41.5			FINAL CUT OFF ELEVATION 978.5		

REPORT TO BE SENT TO:-

GEOTECHNICAL OFFICE

SIGNED [Signature]  
 NAME (PRINT) R. J. SMITH  
11 JUN 1978

ATTENTION: PROJECT & PROCESS MANAGEMENT SECTION

978.5

04/05/2006 16.10 FAX

003/004

V and  
Original Copy Available

## GEOTECHNICAL OFFICE

## BRIDGE CONSTRUCTION - PILE DRIVING RECORD

DISTRICT NO. 11 CONTRACT NO. 77-130 STRUCTURE W.P. NO. 74-74-03  
 CONTRACTOR O. J. GAFFNEY DESIGN LOAD OF PILE END BEARING  
 HAMMER DETAILS: TYPE BERMINGHAMMER MOD B. 225 WEIGHT \_\_\_\_\_ HEIGHT OF FALL OR ENERGY 25.00  
 TYPE OF ANVIL OR GAP ANVIL WEIGHT OF ANVIL OR GAP 1100 LBS.  
 PILE DETAILS HP 12 X 53 BATTER: 1:3 1/2  
 PILE NO. 9 LOCATION VEDNON LAKE NARROWS BRIDGE  
SMITH REFINEMENT DATE DRIVEN 19/4/197

TOTAL LENGTH BEING DRIVEN	LENGTH IN GROUND	PENETRATION BLOWS / FT.	TOTAL LENGTH BEING DRIVEN	LENGTH IN GROUND	PENETRATION BLOWS / FT.	TOTAL LENGTH BEING DRIVEN	LENGTH IN GROUND	PENETRATION BLOWS / FT.	TOTAL LENGTH BEING DRIVEN	LENGTH IN GROUND	PENETRATION BLOWS / FT.
60.5'	1	2	60.5'	26	6	"	51	15		76	
"	2	2	"	27	7	"	52	0		77	
"	3	2	"	28	7		53	↑		78	
"	4	2	"	29	7		54			79	
"	5	2	"	30	8		55			80	
"	6	2	"	31	8		56			81	
"	7	2	"	32	8		57			82	
"	8	3	"	33	8		58			83	
"	9	3	"	34	8		59			84	
"	10	3	"	35	8		60			85	
"	11	3	"	36	9		61			86	
"	12	4	"	37	9		62			87	
"	13	4	"	38	9		63			88	
"	14	4	"	39	9		64			89	
"	15	4	"	40	10		65			90	
"	16	4	"	41	10		66			91	
"	17	4	"	42	10		67			92	
"	18	4	"	43	10		68			93	
"	19	6	"	44	10		69			94	
"	20	6	"	45	10		70			95	
"	21	6	"	46	10		71			96	
"	22	6	"	47	12		72			97	
"	23	6	"	48	12		73			98	
"	24	6	"	49	12		74			99	
"	25	6	"	50	14		75			100	

DETAILS FOR FINAL SIX INCHES OF PENETRATION	1	2	3	4	5	6
BLOWS PER INCH	15	15	15	15	15	20
MEASURED REBOUND IN INCHES	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"
FINAL LENGTH OF PILE	52.0 FT.					FINAL CUT OFF ELEVATION 947.5

REPORT TO BE SENT TO:-

GEOTECHNICAL OFFICE

SIGNED

NAME (PRINT)

R SMITH

look's like  
ca 8

